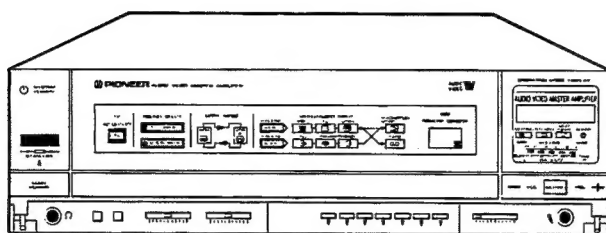


# Operating Instructions

## AUDIO VIDEO MASTER AMPLIFIER

# A-X909V A-X707V



Thank you for buying this Pioneer product.  
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.  
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

**WARNING:** TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

### IMPORTANT NOTICE

#### [For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

#### [For Canadian model]

**CAUTION:** TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

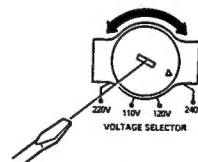
**ATTENTION:** POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

### LINE VOLTAGE SELECTOR SWITCHES

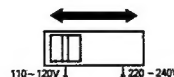
Only multi-voltage models are provided with these switches. U.S., Canadian, European, U.K., and Australian models are not provided with these switches.

The line voltage selector switches are on the rear panel. Before your model is shipped from the factory, these switches are set to the power requirements of the destination. Check that they are set properly before plugging the power cord into the AC outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switches as follows.

1. Use a medium-size screwdriver.
2. Insert the screwdriver into the groove on the voltage selector, and adjust so that the tip of the arrow points to the voltage value of your area.



Set the voltage selector switch for the voltage in your area.



 **PIONEER®**

# SAFETY INSTRUCTIONS

**READ INSTRUCTIONS** — All the safety and operating instructions should be read before the appliance is operated.

**RETAIN INSTRUCTIONS** — The operating instructions should be retained for future reference.

**HEED WARNING** — All warnings on the appliance and in the operating instructions should be adhered to.

**FOLLOW INSTRUCTIONS** — All operating and use instructions should be followed.

**WATER AND MOISTURE** — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

**LOCATION** — The appliance should be installed in a stable location.

**WALL OR CEILING MOUNTING** — The appliance should not be mounted to a wall or ceiling.

**VENTILATION** — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

**HEAT** — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

**POWER SOURCES** — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

**POWER-CORD PROTECTION** — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

**POLARIZATION** — If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

**CLEANING** — The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzene, insecticides or other volatile liquids since they may corrode the cabinet.

**POWER LINES** — An outdoor antenna should be located away from power lines.

**NONUSE PERIODS** — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

**OBJECT AND LIQUID ENTRY** — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

**DAMAGE REQUIRING SERVICE** — The appliance should be serviced by Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped; or the enclosure damaged.

**SERVICING** — The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

**OUTDOOR ANTENNA GROUNDING** — If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

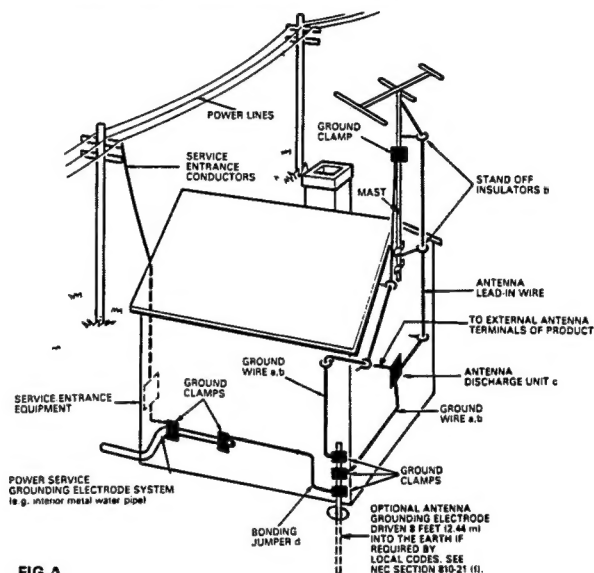


FIG. A

- Use No. 10 AWG (5.3 mm<sup>2</sup>) copper, No. 8 AWG (8.4 mm<sup>2</sup>) aluminum, No. 17 AWG (1.0 mm<sup>2</sup>) copper-clad steel, bronze wire, or larger as ground wire.
- Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.
- Mount antenna discharge unit as closely as possible to where lead-in enters house.
- Use jumper wire not smaller than No. 6 AWG (13.3 mm<sup>2</sup>) copper or equivalent when separate antenna-grounding electrode is used.

## IMPORTANT 1



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



**CAUTION:**  
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## IMPORTANT 2

If the apparatus is fitted with AC mains power outlet(s), see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last, make sure that the power switch is off. Disconnect the wall plug when the equipment is not in (regular) use, e.g. when on vacation.

## FOR USE IN THE UNITED KINGDOM

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral  
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Equipment sold in the U.K. is not supplied with a power plug.

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## FEATURES

### Unified control with audio-video remote control unit

When the master amplifier is used in combination with audio or video components bearing the PIONEER "SR" symbol, those components can be operated by the supplied remote control unit.

### On screen display function (A-X909V only)

The present mode of operation is projected in the form of characters onto the TV screen.

### Full array of audio and video input jacks

Jacks for the audio components cover connections for a CD player (CD), turntable (PHONO), FM/AM tuner (FM/AM), tape deck (TAPE) and adaptor (AUDIO ADAPTOR); those for video components cover connections for a video disc player (VDP), first video cassette recorder (VCR1), video adaptor or second video cassette recorder (VIDEO ADAPTOR/VCR 2) and a TV set (TV).

### Copying from one VCR to another VCR

It is possible to copy material on videotape from VCR1 to VCR2, or vice versa, while monitoring the video disc or TV pictures.

### High power output of 73 W + 73 W (A-X909V)

### High power output of 45 W + 45 W (A-X707V)

### Full line-up of accessory functions

Accessory functions include mic mixing, loudness, muting, mode selection and tone controls.

### 60-minute or 30-minute sleep timer function

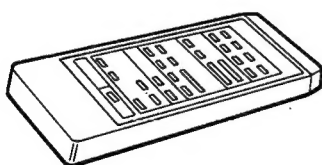
The number of remaining minutes can be read off during an actual sleep timer operation.

### TV power outlet provided

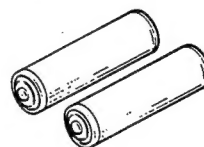
Located apart from the outlets for the other components is a power outlet designed especially for TV ON/OFF switching.

## CHECKING THE ACCESSORIES

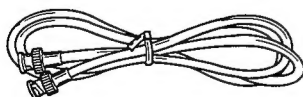
Remote control unit ..... 1



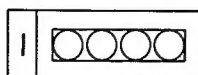
Size "AAA"/R03 dry cell batteries ..... 2



Video cord (BNC type) ..... 1



Spacer ..... 4

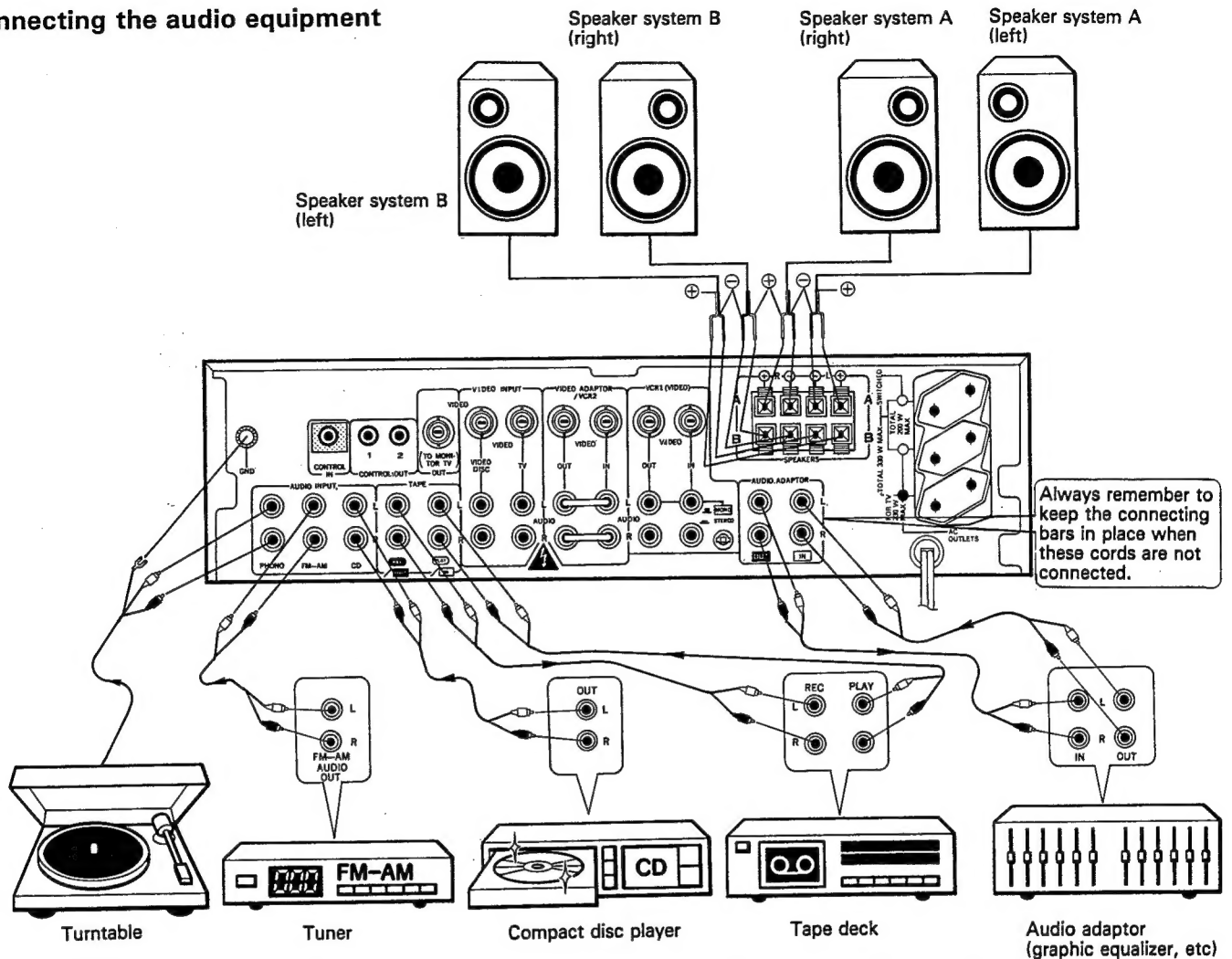


If the amplifier is placed in close proximity to a speaker or a wall, the sound quality may be affected due to vibration or heat. Before setting the amplifier, provide a clearance of about 1 cm (1/2 INCH) from its sides, or apply the spacers provided separately to suitable points on both sides of the amplifier.

## CONNECTIONS

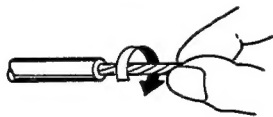
Refer to "SYSTEM COMPONENT CONNECTIONS" on the separate sheet when connecting PIONEER's system components.

## Connecting the audio equipment

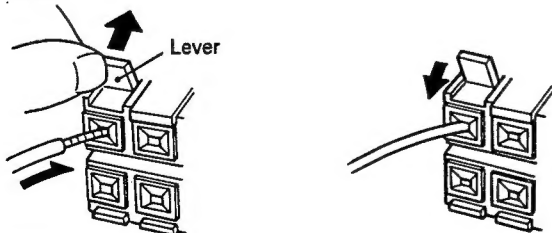


## Connecting the speaker cords

- 1. Strip off the vinyl covering and twist the strands together.**



2. Raise the lever in the direction of the arrow and insert the exposed conductor into the hole.
3. Now return the lever to its original position to secure the cord.

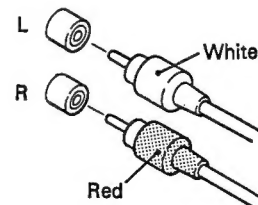


**NOTE:**

**Do not allow any of the cord's conductors to protrude from the terminals or touch any other conductors. Malfunctioning or breakdowns may occur when conductors come into contact with each other.**

### Connecting the audio input/output cords

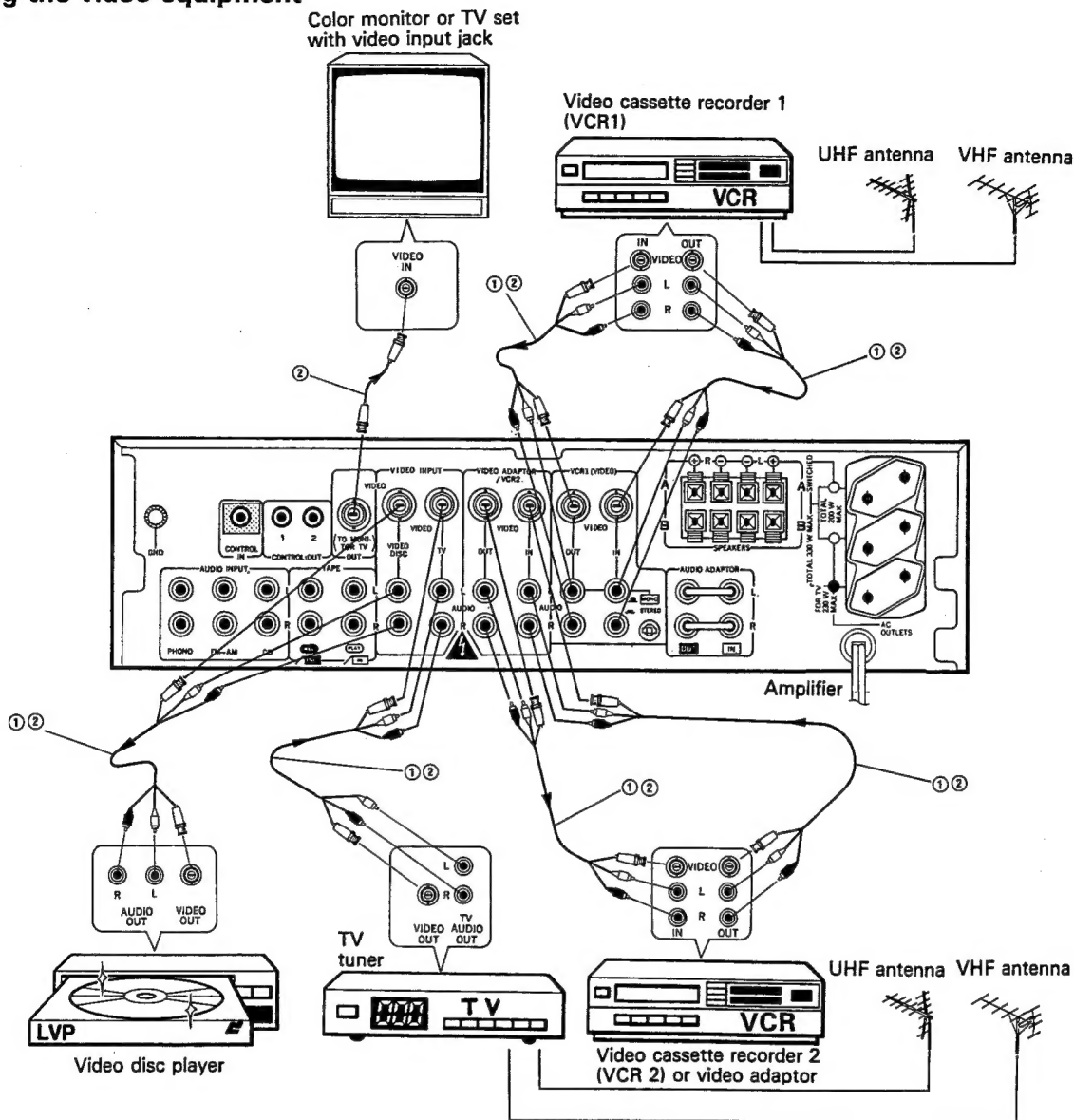
- Use the cords with the red and white pin plugs attached.
- Connect the white plug to the left (L) jack and the red plug to the right (R) jack. Be sure that the plugs are pushed in as far as they will go.



Refer to "SYSTEM COMPONENT CONNECTIONS" on the separate sheets when connecting PIONEER's system components.

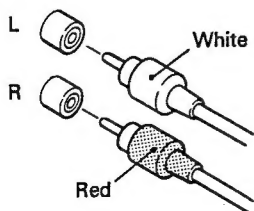
## CONNECTIONS

### Connecting the video equipment



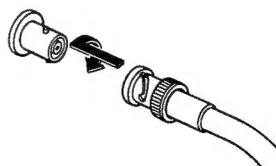
### Connecting the audio input/output cords [ ① in the figure]

- Use the cords with the red and white pin plugs attached.
- Connect the white plug to the left (L) jack and the red plug to the right (R) jack. Be sure that the plugs are pushed in as far as they will go.



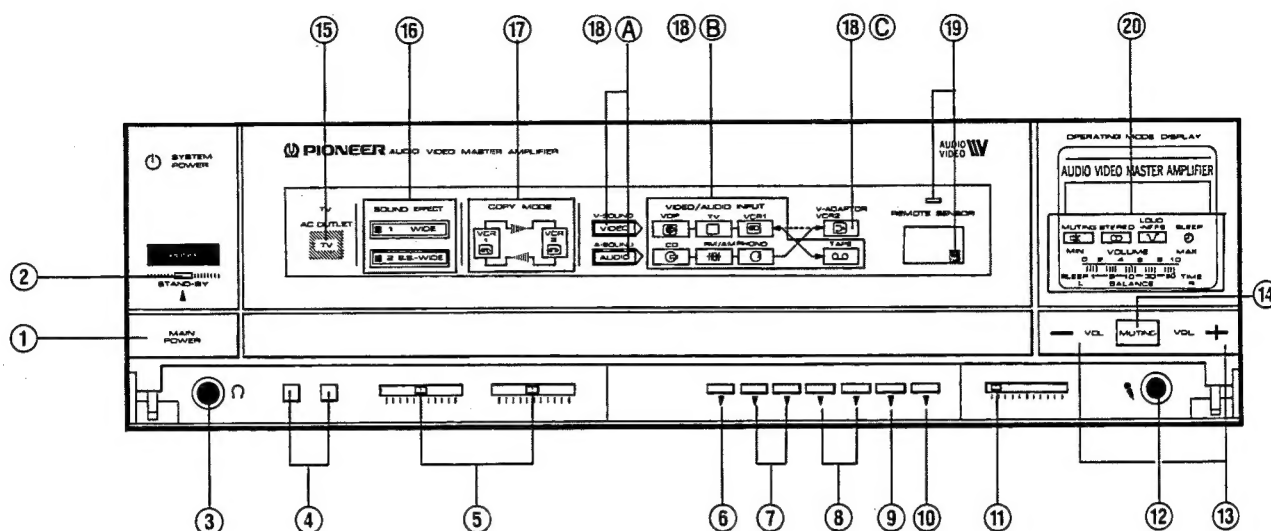
### Connecting the video input/output cords [ ② in the figure]

- Use the cord with the BNC plugs attached.

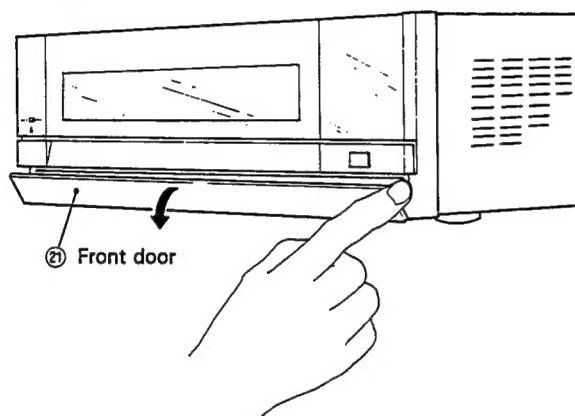


# PANEL FACILITIES

## Front Panel



## Opening the front door



### ① MAIN POWER switch

Press this switch to turn the unit's power ON/STAND-BY and OFF.

### ② SYSTEM POWER switch/indicator

- When the MAIN POWER switch is ON, the power to the switched auxiliary power outlets on rear panel is switched ON and STAND-BY with this switch.
- Every time this switch is pressed, the power is repeatedly switched between ON and STAND-BY alternately. When the power is at stand-by, the indicator lights.
- This switch can be set to the ON and STAND-BY positions using the remote control unit. This means that it is possible to switch on and off the components connected to the unit's switched auxiliary outlets from the listening position.
- The power system for this unit has been designed so as to select the transformer's secondary circuitry. As a result, the unit's circuitry will operate even when the SYSTEM POWER switch is at the STAND-BY position, so long as the power cord is connected to a power outlet, and the MAIN POWER switch is in the ON position.

### ③ PHONES jack

Plug the headphones into this jack for use.

### ④ SPEAKERS selector switches

#### SPEAKERS A selector switch

This switch selects the speaker system connected to the terminals of speakers A.

[ON] Depressed position: Sound is output from the speaker system

[OFF] Released position: No sound output is from the speaker system. Use this position when employing headphones.

#### SPEAKERS B selector switch

This switch selects the speaker system connected to the terminals of speakers B.

[ON] Depressed position: Sound is output from the speaker system

[OFF] Released position: No sound output is from the speaker system. Use this position when employing headphones.



## ⑤ TONE CONTROLS

### BASS control

This is used to adjust the bass sound.

The control's center position is the standard (flat) setting. When the control is moved right, the bass is enhanced and when moved left, it is attenuated.

### TREBLE control

This is used to adjust the treble sound.

The control's center position is the standard (flat) setting. When the control is moved right, the treble is enhanced and when moved left, it is attenuated.

## ⑥ VCR COPY switch

This is used when two video cassette recorders (VCRs) are employed to copy material from one video tape to another. Every time the switch is pressed, 1>2, 2>1 and OFF are selected in sequence.

1 > 2: The > COPY MODE indicator lights. This is used to copy from the VCR 1 connected to the VCR 1 jacks onto the VCR 2 connected to the VCR 2 jacks.

2 > 1: The < COPY MODE indicator lights. This is used to copy from the VCR 2 connected to the VCR 2 jacks onto the VCR 1 connected to the VCR 1 jacks.

## ⑦ INPUT selector switches

### VIDEO switch

Press this when operating video components. Every time it is pressed, the pictures and sound of the components to be operated is selected.

### AUDIO switch

Press this when operating audio components. Every time it is pressed, the picture remains unchanged and the sound alone of the components is switched.

## ⑧ BALANCE switches

Normally, the BALANCE indication on the operating mode display is kept at its center position (setting is made here by pressing L and R simultaneously). Adjust these switches when the volume tends to be louder at the left or right. If it is too loud at the right, press L; if it is too loud at the left, press R.

## ⑨ LOUDNESS switch

Use this switch when listening to sound at a low volume. The switch is ON when "LOUDNESS" on the operating mode display lights. In this mode, the bass and treble are boosted and the sound takes on an extra "punch" even at low volume levels.

## ⑩ MODE switch

This selects the mode in which the sound is heard.

When "STEREO" on the operating mode display lights, the sound is heard in normal stereo, and every time the switch is pressed, the sound is heard in the L, R and stereo modes in sequence.

L: The left channel sound only is heard (signals connected to the left of the two rear panel jacks).

R: The right channel sound only is heard (signals connected to the right of the two rear panel jacks).

The STEREO mode is automatically set when one of the INPUT selector switches has been set or when the power switch has been set to OFF.

## ⑪ MIC MIXING LEVEL control

This adjusts the volume of the components connected to the rear panel and the volume of the microphone plugged into the MIC jack. The microphone's volume is set to its maximum at the MIC position and the sound from the components is not heard. Conversely, the volume of the components is set to its maximum at the SOURCE position and the microphone sound is not heard.

### NOTE:

*Always remember to keep the control at the SOURCE position when operating only the components.*

## ⑫ MIC jack

Plug the microphone into the jack for use.

## ⑬ VOLUME switches

Use these to adjust the volume.

[+]: Press to raise the volume.

[-]: Press to lower the volume.

## ⑭ MUTING switch

Use this switch to temporarily turn down the sound completely.

This switch is ON when "MUTING" on the operating mode display lights, and in this mode no sound is heard.

The volume returns to its previous level when the switch is returned to the OFF position.

## ⑮ TV AC OUTLET indicator

This lights when power is supplied to the TV set connected to the rear panel's TV auxiliary outlet. The accessory remote control unit can be used for operation.

## ⑯ SOUND EFFECT indicators

These display the "sound" effect setting. The accessory remote control can be used for operation.

## ⑰ COPY MODE indicators

These display the setting of the VCR COPY switch.

Copying is possible from VCR 1 to VCR 2 when > lights and from VCR 2 to VCR 1 when < lights.

## ⑱ VIDEO/AUDIO INPUT indicators

(A): These indicate the INPUT selector switch settings; VIDEO lights for video components and AUDIO for audio components.

(B): These indicate the component(s) being operated.

(C): This lights when the VIDEO ADAPTOR key on the remote control unit is ON.

## ⑲ REMOTE SENSOR/indicator

This lights when it receives signals from the remote control unit.

## PANEL FACILITIES

### ②① OPERATING MODE DISPLAYS

- [MUTING]: This lights when the MUTING switch is set to ON.
- [STEREO]: This lights when the MODE switch is at STEREO.
- [LOUDNESS]: This lights when the LOUDNESS switch is at ON.
- [SLEEP]: This lights when the sleep timer is set by the remote control unit.
- [VOLUME] With SLEEP OFF;
- [BALANCE] The volume is normally indicated by the
- [SLEEP TIME]: "VOLUME" display. When the BALANCE switch is pressed, the "BALANCE" display is selected and the volume balance between the left and right channels is indicated. (A return is automatically made after a few seconds to the "VOLUME" display.)
- With SLEEP ON:
- SLEEP lights. Normally, the "SLEEP TIME" display shows the 60-minute or 30-minute setting and the remaining time. The display blinks when one minute remains. When the VOLUME or BALANCE switch is pressed, the "VOLUME" or "BALANCE" display is selected, respectively. (A return is automatically made after a few seconds to the "SLEEP TIME" display.)

### ②① Front door

This unit stores the positions at which the switches below are used in its microcomputer for about one week after the main power has been switched off. This means that when the power is switched back on again, the same positions of the various switches as those set previously are restored.

- INPUT selector switch
- MUTING switch
- VCR COPY switch
- LOUDNESS switch
- BALANCE switches
- VOLUME switches (setting is made to where three indicators lights when the volume is so high that 4 or more indicators light)
- SOUND EFFECT key
- VIDEO ADAPTOR key
- TV AC OUTLET key

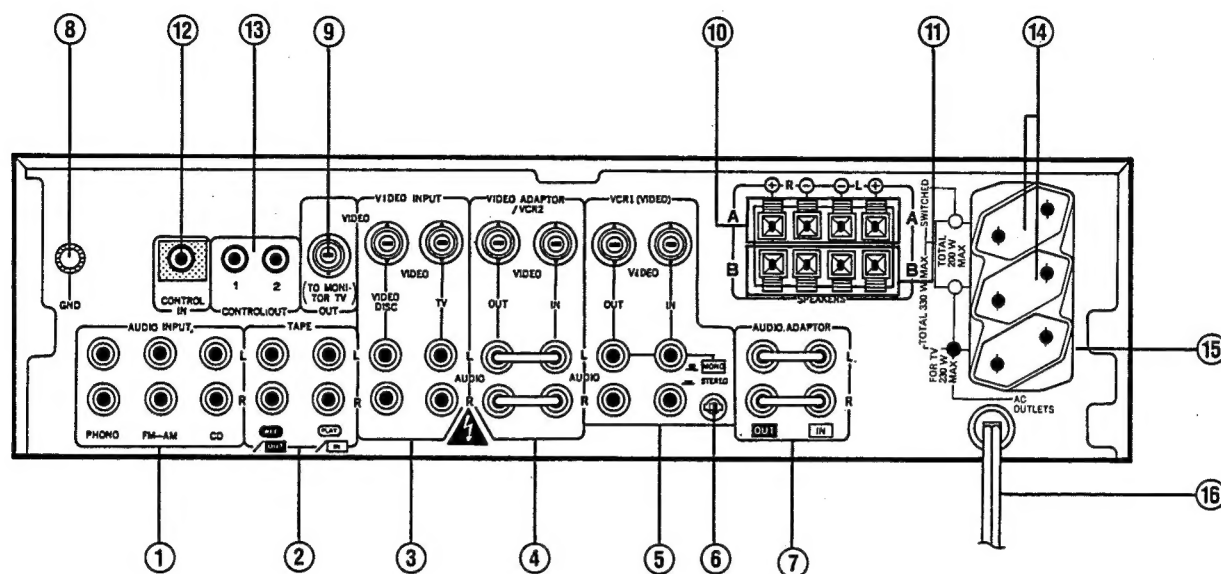
Unless the unit is used within the week, the positions stored in the memory are erased and the following positions are set:

- VOLUME switches: Minimum
- LOUDNESS, MUTING switches: OFF
- BALANCE switches: Center
- VCR COPY switch: OFF
- SOUND EFFECT key: OFF
- VIDEO ADAPTOR key: OFF
- TV AC OUTLET key: OFF

The ②, ⑦, ⑬ and ⑭ switches can be operated using the accessory remote control unit. Refer to the Operating Instructions accompanying this unit for details on the control unit itself and how to operate it.



## Rear Panel

① **AUDIO INPUT jacks**

PHONO: For playing a record on the turntable.  
 FM/AM: For operating an FM/AM tuner.  
 CD: For playing a compact disc player.

② **TAPE jacks**

REC/OUT: For recording on a tape deck.  
 PLAY/IN: For playback on a tape deck.

③ **VIDEO INPUT jacks****VDP**

VIDEO: For playing a video disc on a video disc player (VDP).

AUDIO: For reproducing sound on a VDP.

**TV**

VIDEO: For reproducing the images of the TV tuner.

AUDIO: For reproducing the sound of the TV tuner.

④ **VIDEO ADAPTOR/VCR 2 jacks****OUTPUT**

VIDEO: For the video output to a video adaptor (color corrector or enhancer, etc) or second video cassette recorder (VCR 2).

AUDIO: For the audio output to a video adaptor or second video cassette recorder (VCR 2).

**INPUT**

VIDEO: For the video input from the video adaptor or second video cassette recorder (VCR 2).

AUDIO: For the audio input from the video adaptor or second video cassette recorder (VCR 2).

⑤ **VCR 1 jacks****OUTPUT**

VIDEO: For recording the images on the first video cassette recorder (VCR 1).

AUDIO: For recording the sound on the first video cassette recorder (VCR 1).

**INPUT**

VIDEO: For playing back the images from the first video cassette recorder (VCR 1).

AUDIO: For playing back the sound from the first video cassette recorder (VCR 1).

⑥ **STEREO/MONO selector switch**

STEREO: (depressed position): Set the switch here when connecting a stereo video cassette recorder to the VCR 1 audio input jacks.

MONO: (released position): Set here when connecting a monaural type of video cassette recorder (provided with only one audio output plug) to the VCR 1 audio input jacks.

In this case, make sure that the audio plug is connected to "L."

## PANEL FACILITIES

### ⑦ AUDIO ADAPTOR jacks

OUTPUT: For output (connected to input jacks of audio adaptor).

INPUT: For input (connected to output jacks of audio adaptor).

*For normal use, always keep the connecting bars in place. No sound will be heard once they are removed. Use them when an audio adaptor (such as a graphic equalizer) is employed.*

### ⑧ PHONO GND terminal

Connect the ground wire of the turntable to this terminal.

### ⑨ VIDEO OUTPUT jack

This is the video output jack for playing images of a video component connected to the VIDEO INPUT jack or VIDEO ADAPTOR/VCR 2 or VCR 1 jack. Connect it to a color monitor or to a TV set which is equipped with a video input jack.

### ⑩ SPEAKERS A terminals

"R" is for the system installed on the right and "L" for the system installed on the left.

### ⑪ SPEAKERS B terminals

"R" is for the system installed on the right and "L" for the system installed on the left.

### ⑫ CONTROL INPUT jack

This jack is used when using the master amplifier's remote control unit in conjunction with the photo-signal receiver on a Pioneer component display.

Connect the jack to the control output jack on the component display (refer to SYSTEM COMPONENT CONNECTIONS on the separate sheets for details).

Make the connection using the control cord provided with the component bearing the "SR" symbol.

### ⑬ CONTROL OUTPUT jacks

These jacks are for controlling the overall system using the master amplifier's remote control unit when it is used with components bearing the "SR" symbol. Connect the jack to the control input jack on the other component (refer to SYSTEM COMPONENT CONNECTIONS on the separate sheets for details).

Make the connection using the control cord provided with the component bearing the "SR" symbol.

### ⑭ SWITCHED AC OUTLETS

- The power to the components (whose power switches are kept at the "ON" position) connected to these outlets is switched ON and OFF by the ON/STAND-BY setting of the master amplifier's SYSTEM POWER switch.
- Ensure that the combined power consumption of the components connected to these outlets does not exceed 300 watts (200 watts). Also, do not allow the total combined power consumption of all connected components (including the TV connected to the TV AC OUTLET) to exceed 550 W (330 W).

*The values in parenthesis are for European and U. K. models.*

#### NOTE:

*Do not connect appliances with high power consumption such as heaters, irons, or television sets to the AC OUTLETS in order to avoid overheating or fire risk.*

*This can cause the amplifier to malfunction.*

### ⑮ TV AC OUTLET

- When the TV's power plug is connected here, its power is switched ON and OFF by setting the TV/AC OUTLET switch on the remote control unit to ON and OFF (provided that the TV's power switch is kept at the "ON" position).
- Ensure that the power consumption of the TV connected to this outlet does not exceed 250 watts (230 watts). Also, do not allow the total combined power consumption of all connected components (including the components connected to the SWITCHED AC OUTLETS) to exceed 550 W (330 W).

*The values in parenthesis are for European and U. K. models.*

#### NOTE:

- When the master amplifier is connected to an audio timer, connect the TV to a wall AC outlet.
- Connect the PIONEER component display to a wall AC outlet.
- Do not connect appliances with high power consumption such as heaters or irons to the AC OUTLETS in order to avoid overheating or fire risk.

*This can cause the equipment to malfunction.*

### ⑯ Power cord

Connect this to a wall AC outlet or to the electrical outlet of an audio timer.

#### Power consumption of AC outlets

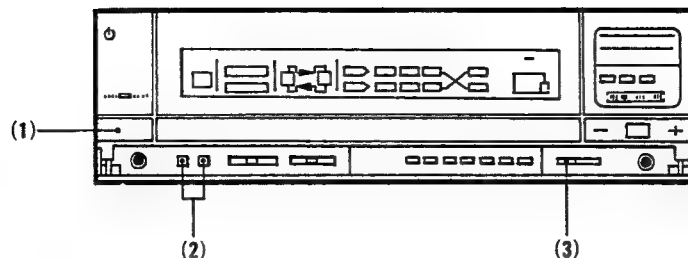
Under no circumstances should an electrical appliance (such as a toaster or hair drier) with a power consumption exceeding the maximum rating marked on the panel be connected to these outlets since malfunctioning or breakdowns may result.

#### Speaker impedance

Use speaker systems with an impedance ranging from 6 to 16 ohms for connection to the SPEAKERS A or B terminals.

# OPERATION

## Before operating the unit

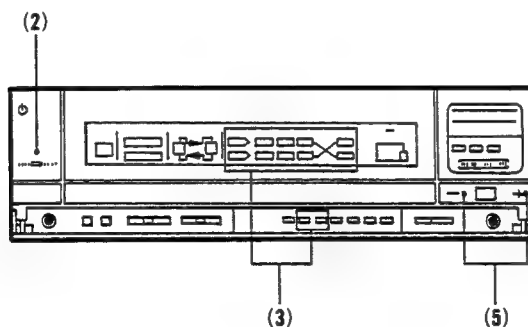


Set the unit's controls and switches as follows:

- (1) Set the **MAIN POWER** switch to **ON**.
- (2) Set the **SPEAKERS** selector switches A or B to **ON** (depressed position).

(3) Set the **MIC MIXING LEVEL** control to **SOURCE**.

## Operating sequence



*The master amplifier may also be operated by its remote control unit. Besides these operations, the remote control unit performs a variety of other operations when PIONEER system components are used. Refer to the Operating Instructions of the remote control unit for details on the operations.*

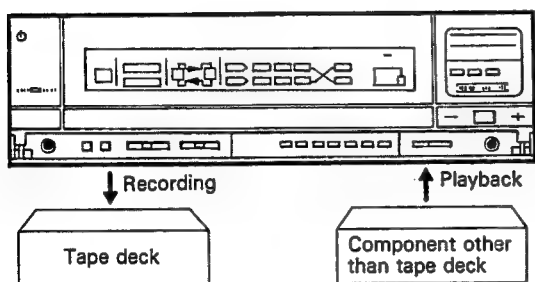
- (1) Set the power switches of the other components to **ON**.
- (2) Press the **SYSTEM POWER** switch to switch on the power to the other components.
- (3) Set the **INPUT** selector switch corresponding to the component which is to be operated.
  - For **FM/AM** radio reception:  
Press **AUDIO** and make **FM/AM** light.
  - For **compact disc** play:  
Press **AUDIO** and make **CD** light.
  - For **record** play:  
Press **AUDIO** and make **PHONO** light.

- For **tape** play:  
Press **AUDIO** and make **TAPE** light.
- For **video disc** play:  
Press **VIDEO** and make **VDP** light.
- For **TV** viewing  
(component connected to **TV** jacks):  
Press **VIDEO** and make **TV** light.
- For **VCR** (component connected to **VCR 1** jacks) videotape play:  
Press **VIDEO** and make **VCR 1** light.
- For **VCR** (component connected to **VIDEO ADAPTOR/VCR 2** jacks) videotape play:  
Press the **VIDEO ADAPTOR** key on the remote control unit and make **V-ADAPTOR/VCR 2** light.
- (4) Operate the components and start play.
- (5) Adjust the volume using the **VOLUME** switches.

## OPERATION

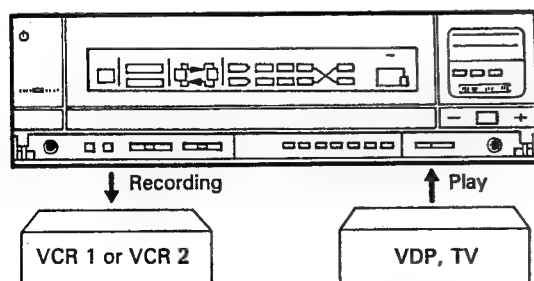
### Recording onto audio tape

- When the tape deck is set to the recording mode, the sound of an FM or AM broadcast, a record or compact disc or the sound of a component connected to the VIDEO INPUT, VCR 1 or VIDEO ADAPTOR/VCR 2 jacks can be recorded onto tape while you are listening to the respective sound.
- Refer to the Operating Instructions of the tape deck for details of the tape deck operations.



### Recording onto videotape

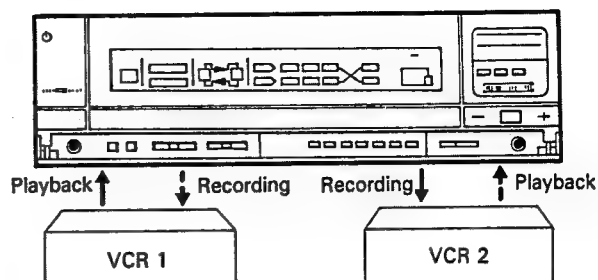
- When all the equipment has been connected as instructed under CONNECTIONS, the video images being played on the video component connected to the VIDEO INPUT, VCR 1 or VIDEO ADAPTOR/VCR 2 jacks can be videotaped on the video cassette recorder connected to the VCR 1 or VIDEO ADAPTOR/VCR 2 jacks. (The recording is made at the VCR 2 jacks when VCR 1 is being played and at the VCR 1 jacks when VCR 2 is being played.)
- Press the full remote control unit's VIDEO ADAPTOR key to the ON position when recording images whose color or quality has been corrected or enhanced using a video adaptor (such as a color corrector or enhancer).
- Refer to the Operating Instructions of the video cassette recorder for details of the VCR recording operations.



### Copying videotaped material

Material recorded onto one video tape can be copied onto another video tape if you use two video cassette recorders. During copying, it is still possible to play a TV program or video disc (VDP).

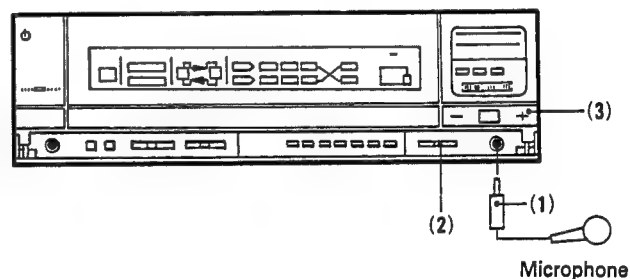
### [Operation]



- (1) Load the video tape to be played back and the video tape for recording into the respective VCRs.
- (2) Press the unit's VCR COPY switch and set it.

- When copying from VCR 1 connected to the VCR 1 jacks onto VCR 2 connected to the VCR 2 jacks:  
Set to 1 > 2 (> COPY MODE indicator lights).
- When copying from VCR 2 connected to the VCR 2 jacks onto VCR 1 connected to the VCR 1 jacks:  
Set to 2 > 1 (< COPY MODE indicator lights).

### Using the microphone



- (1) Connect the microphone to the MIC jack.
- (2) Set the MIC MIXING LEVEL control to the MIC position.
- (3) Adjust the volume using the VOLUME switches.

#### Mic mixing

The sound of the microphone can be mixed with the sound of a component (connected to the rear panel jacks). Use the MIC MIXING LEVEL control to determine the proportion of the microphone and source volume and adjust the overall volume using the VOLUME switches.

When recording the sound onto tape (or VCR 1), set the INPUT selector switch to any position except TAPE (or VCR 1).

## SOUND EFFECT

Press the SOUND EFFECT key on the remote control unit to select 1 or 2 (the SOUND EFFECT indicator 1 or 2 lights).

- 1 WIDE

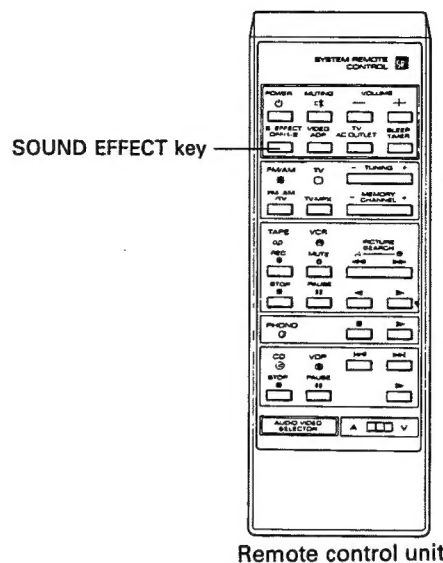
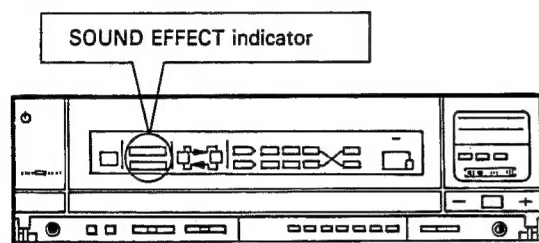
In ordinary stereo reproduction (OFF position), set in this position if the sound reproduction if the ambience or depth of the sound is unsatisfactory. The ambience and depth of the sound will be enhanced considerably.

- 2 SS•WIDE

Furthermore, monaural sound is converted into a simulated stereo sound for reproduction with a wider "sound" effect. Use this setting for FM or AM monaural programs and for tape play on a monaural video cassette recorder.

- OFF

In this mode both indicators are off and the sound is reproduced in normal stereo.

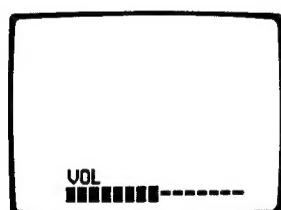


## On screen display function

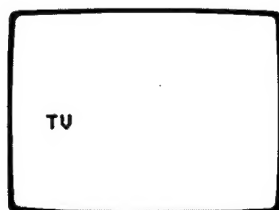
(A-X909V only; not possible with the A-X707V)

When this function is used, data relating to the present operating mode is displayed for several seconds in characters on the TV or color monitor screen.

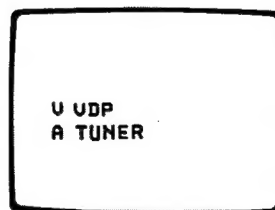
[Examples of displays]



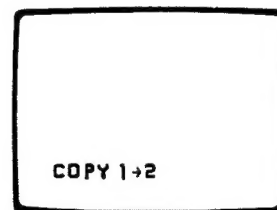
The VOLUME switch is operated.



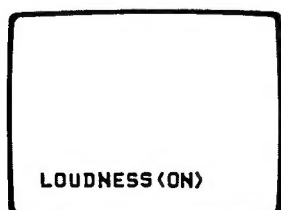
The INPUT selector switch VIDEO is set to TV.



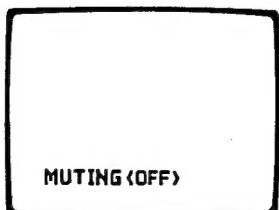
The INPUT selector switches VIDEO and AUDIO are set to VDP and TUNER respectively.



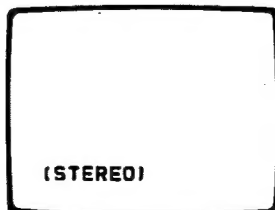
The COPY switch is set to 1-2.



The LOUDNESS switch is set to ON.



The MUTING switch is set to OFF.



The MODE selector switch is set to STEREO.

*When the VCR 1 or VCR 2 is set to the stop mode during operation, the characters on the screen may shake. This is quite normal and not indicative of a malfunction.*

## OPERATION

### Using the VIDEO ADAPTOR jacks

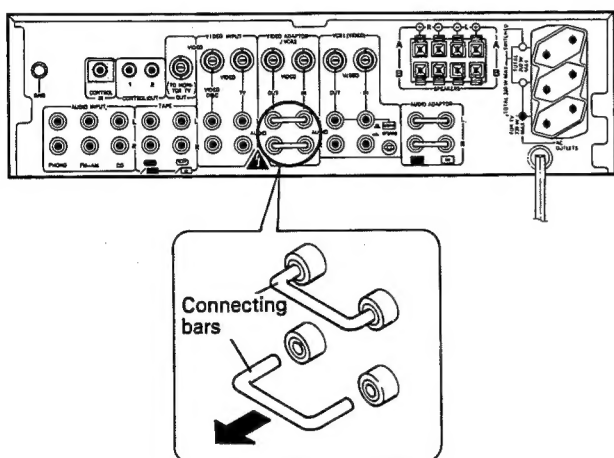
A color corrector or video enhancer may be used to compensate for indistinct outlines or color when pictures are being played, and these images may be recorded.

[Connections] (with PIONEER's audio video processor)

- (1) Set the MAIN POWER switch to OFF.
- (2) Remove the two connecting bars from the VIDEO ADAPTOR/VCR 2 jacks.

**NOTE:**

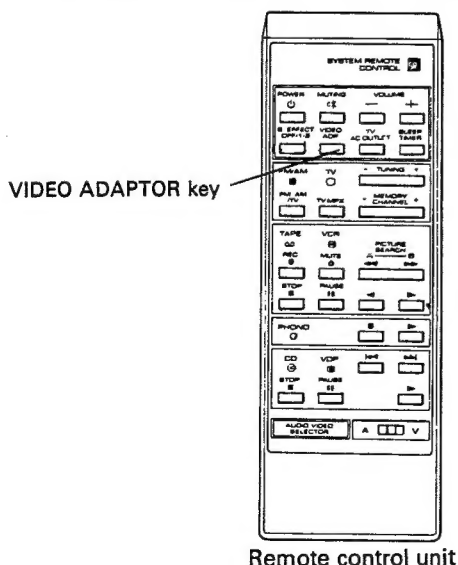
Always keep these connecting bars in place at these jacks with a video component capable of video reproduction only (a component which is not provided with audio input/output jacks). Otherwise, no sound will be heard.



- (3) Make the connections as shown in the connection diagram for the video components in CONNECTIONS.

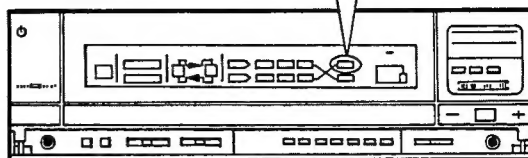
**[Operation]**

Press the remote control unit's VIDEO ADAPTOR key during operation and make the V-ADAPTOR indicator light.



Remote control unit

V-ADAPTOR indicator

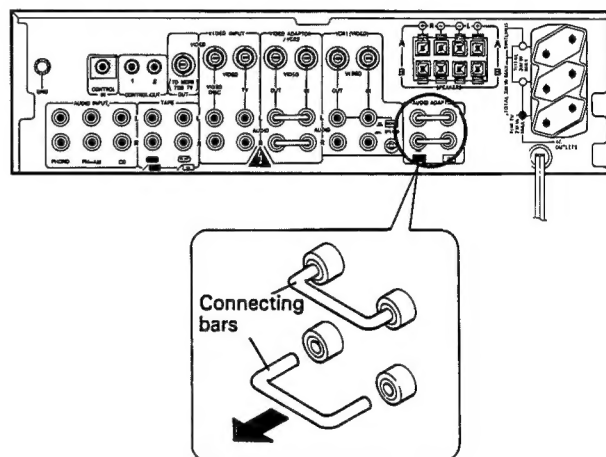


### Using the AUDIO ADAPTOR jacks

A graphic equalizer or sound processor can be connected to these jacks and the sound quality or compensation can be added to the source (record, FM/AM program or tape) sound.

[Connections]

- (1) Set the MAIN POWER switch to OFF.
- (2) Remove the two connecting bars from the AUDIO ADAPTOR jacks.



- (3) Make the connections as shown in the connection diagram for the audio components in CONNECTIONS.

**NOTE:**

Always keep the power switch of the audio adaptor at the ON position. Similarly, keep it at ON even when you are not using an audio adaptor.

If the audio adaptor's power is off, no sound will be heard or the playback sound will be distorted.



# TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used.

If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Cause	Remedy
No power	<ul style="list-style-type: none"> <li>The power plug has become disconnected from the power outlet.</li> <li>The power plug has been connected to the outlet of another component (such as a timer) but the power from that other component is off.</li> </ul>	<ul style="list-style-type: none"> <li>Plug it into the wall outlet or timer outlet.</li> <li>Switch on the power from the other component.</li> </ul>
No sound	<ul style="list-style-type: none"> <li>One of the connecting cords has become disconnected from the jack or it has been connected incorrectly.</li> <li>Dirty jack or pin plug of connecting cord.</li> <li>SPEAKERS selector switches are OFF.</li> <li>Connecting bars of AUDIO ADAPTOR jacks have been removed.</li> <li>MIC MIXING LEVEL control is at MIC (with source playback).</li> <li>INPUT selector switch does not correspond with the component being operated.</li> <li>Another component is being operated incorrectly.</li> </ul>	<ul style="list-style-type: none"> <li>Make the proper connection.</li> <li>Clean off dirt.</li> <li>Set it to ON.</li> <li>Re-connect bars.</li> <li>Set it to SOURCE.</li> <li>Set the switch properly (to PHONO, TUNER, TAPE, CD, VDP, TV or VCR).</li> <li>Refer to the Operating Instructions of that component.</li> </ul>
No picture	<ul style="list-style-type: none"> <li>One of the connecting cords has become disconnected from the jack or it has been connected incorrectly.</li> <li>Dirty jack or pin plug of connecting cord.</li> <li>Remote control unit's VIDEO ADAPTOR key is on (except when using a video adaptor or VCR 2).</li> <li>INPUT selector switch does not correspond with the component being operated.</li> <li>Another component is being operated incorrectly.</li> </ul>	<ul style="list-style-type: none"> <li>Make the proper connection.</li> <li>Clean off dirt.</li> <li>Set key to OFF.</li> <li>Set the switch properly (to VDP, TV or VCR).</li> <li>Refer to the Operating Instructions of that component.</li> </ul>
No sound through one speaker	<ul style="list-style-type: none"> <li>Connecting cord or speaker cord of one speaker has become disconnected.</li> <li>BALANCE switch has been set to one side.</li> </ul>	<ul style="list-style-type: none"> <li>Re-connect properly.</li> <li>Set it to center.</li> </ul>

# SPECIFICATIONS

## Amplifier Section

DIN continuous power output (both channels driven)	
1 kHz, 1%, 8 $\Omega$ .....	73 W + 73 W (A-X909V) 45 W + 45 W (A-X707V)
DIN music power (both channels driven)	
1 kHz, 1%, 8 $\Omega$ .....	105 W + 105 W (A-X909V) 78 W + 78 W (A-X707V)
Continuous power output (both channels driven)	
20 Hz to 20 kHz, 0.1%, 8 $\Omega$ .....	70 W + 70 W (A-X909V)
Total harmonic distortion	
1 kHz, 35 W, 8 $\Omega$ .....	0.05% (A-X909V)
1 kHz, 20 W, 8 $\Omega$ .....	0.05% (A-X707V)
Input (sensitivity/impedance)	
PHONO MM .....	2.5 mV/47 k $\Omega$
TUNER, CD, TAPE PLAY, ADP, VCR .....	150 mV/47 k $\Omega$
Overload level	
PHONO MM 1 kHz, 0.1% .....	75 mV
Output (level/impedance)	
TAPE REC .....	150 mV/2.2 k $\Omega$
Frequency Response	
PHONO MM 20 Hz to 20 kHz .....	$\pm 0.5$ dB
TUNER, CD AUX 20 Hz to 50 kHz .....	$\pm 1$ dB $-3$ dB
Tone Control	
BASS .....	$\pm 10$ dB 100 Hz
TREBLE .....	$\pm 10$ dB 10 kHz
Loudness contour (volume control set at -40 dB position) ....	
	+7 dB 100 Hz/ +4 dB 10 kHz
Hum and Noise (IHF short circuited, A network)	
PHONO MM .....	72 dB
TUNER, CD, TAPE PLAY, ADP, VCR .....	90 dB
Hum and Noise (DIN, continuous power/50 mW)	
PHONO MM .....	72 dB/64 dB
TUNER, CD, TAPE PLAY, ADP, VCR .....	87 dB/63 dB

## Video Section

Input jacks (sensitivity/impedance)	
VDP, TV, VCR 1, VCR 2 .....	1Vp-p/75 $\Omega$
Output jacks (sensitivity/output level)	
VCR 1, VCR 2, REC .....	1Vp-p/75 $\Omega$
Monitor output .....	1Vp-p/75 $\Omega$

## Power Supply/Miscellaneous

### Power requirements

European model .....	a.c. 220 V~, 50/60 Hz
U.K., Australian models .....	a.c. 240 V~, 50/60 Hz
Other destination models ..	~AC 110 V/120 V/220 V/240 V (switchable), 50/60 Hz

### Power consumption

European model .....	450 W (A-X909 V) 320 W (A-X707V)
U.K., Australian models .....	450 W (A-X909V) 320 W (A-X707V)
Other destination models .....	180 W (A-X909V)

Dimensions ..... 360(W) x 331.5(D) x 100(H) mm  
14-3/16 (W) x 13-1/8 (D) x 3-7/8 (H) in

Weight ..... 7.4 kg/16 lb 5 oz (A-X909V)  
6.8 kg/15 lb (A-X707V)

## Accessories

Operating instructions .....	1
Operating instructions for remote control unit .....	1
System component connections .....	1
Remote control unit .....	1
Size "AAA"/R03 dry cell batteries .....	2
Video cord (BNC type) .....	1
Spacer .....	4

- Specifications and design subject to possible modification without notice due to improvements.

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**PIONEER ELECTRONICS AUSTRALIA PTY. LTD.** 178-184 Boundary Road, Braeside, Victoria 3195, Australia  
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